

10/500264 Aeg 7/15/08

8526-8530; Khan and Maliga, *Nature Biotechnology* 17 (1999), 910-915; and Sidorov *et al.*, *Plant Journal* 19 (1999), 209-216.

17.23 Aeg 7/15/08  
Please replace the paragraph at page 12, lines ~~18-24~~ (beginning "In a preferred ..." and ending "...as localization signals") with the following new replacement paragraph:

In a preferred embodiment, the expression vectors used according to the invention contain localization signals for localization in cell compartments, in particular in endoplasmic reticulum (ER), apoplasts, Golgi apparatus, plastids, peroxisomes, mitochondria and/or vacuoles. Reference is made to the above statements on the signal peptides. The KDEL (SEQ ID NO: 1) KDEL-ER targeting peptide, the Golgi localization signal of  $\beta$ -1,2-N-acetylglucosamine transferase (GntI), the transit peptide from the small subunit of ribulose biphosphate carboxylase and/or the vacuolar targeting signal SKNPIN (SEQ ID NO: 2) are particularly preferred as localization signals.

2.16 Aeg 7/15/08  
Please replace the paragraph at page 16, lines ~~3-17~~ (beginning "For this test ..." and ending "...vector pLH9000Hyg/scFv was obtained") with the following new replacement paragraph:

For this test, the plants described in Example 1 were hyper-transformed with a gene construct which codes for an scFv antibody. The binary vector pLH9000Hyg was obtained by removing by means of restriction digest with XbaI and SpeI the kanamycin resistance-mediating expression cassette of the binary vector pLH9000 (L. Hausmann and R. Töpfer, *Vorträge Pflanzenzüchtung* [Lectures on Plant cultivation] 45 (1999) 155-172). In its place, a hygromycin resistance-mediating expression cassette was inserted which had been produced by amplification by PCR with primers

TCT AGA GAT CAT GAG CGG AGA ATT AA (SEQ ID NO: 3)

and

ACT AGT AAT TCC CAT CTT GAA AGA AA (SEQ ID NO: 4)

from the binary vector BinHygTOp (GenBank G1:886843) and subsequent restriction digest using XbaI and SpeI. An expression cassette containing the gene (SEQ ID NO: 5) for a single-